## INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/000869

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
claim 1 : A process for preparing 4-chloro-3-hydroxybutyronitrile from epichlorohydrin and cyanide     claim 2 : A process for preparing 4-chloro-3-hydroxybutanoic acid ester from 4-chloro-3-hydroxybutyronitrile     claim 3 : A process for preparing 4-chloro-3-hydroxybutanoic acid ester from epichlorohydrin and cyanide				
claims 1 and 2 are not so linked as to form a single general inventive concept because there exists no common special technical feature between the two calims.				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any addition fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest				
No protest accompanied the payment of additional search fees.				

## INTERNATIONAL SEARCH REPORT

iternational application No. PCT/KR2004/000869

A. CLASSIFICATION OF SUBJECT MATTER				
IPC7 C07C 253/04, C07C 67/22				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum docu	mentation searched (classification system followed by	classification symbols)		
IPC 7 C07C				
Downstall and the three is in the state of t				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR IPC as above				
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)				
CA CA				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	category* Citation of document, with indication, where appropriate, of the relevant passages			
х	JP 5-310671 A (DAISO CO LTD) 22 November 199	1, 4-8, 12		
Y	cited in the application, see the whole document	3		
x	Geza Braun, 'OXIDATION OF UNSATURATED COMPOUNDS. II. PREPARATION AND 2, 9-11			
Y	CONFIGURATION OF THE 3-HALOGENO DERIV	3		
	J. Am. Chem. Soc., 1930; 52(8); 3167-3176. cited in the application			
	TD C2 21/7/50 A (OSIAN/A SODIA CO I TTD) OC Daniel I 1000		1 2 10	
A	JP 63-316758 A (OSAKA SODA CO LTD) 26 December 1988 see the whole document		1, 3-12	
	TD 4 104157 A (DATED GO ) 7770 04 A 11 1000			
A	JP 4-124157 A (DAISO CO LTD) 24 April 1992 cited in the application, see the whole document		2-12	
_				
E	JP 2004-182607-A (MITSUBISHI RAYON CO LTD) 2 July 2004			
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or priority "A" document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand				
to be of pa	to be of particular relevance the principle or theory underlying the invention			
	E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be filling date considered novel or cannot be considered to involve an inventive			
"L" document	L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone			
special re	cited to establish the publication date of citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is			
1.	"O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination being obvious to a person skilled in the art			
"P" document	, being borious to a porson standard in the are			
Date of the actual completion of the international search Date of mailing of the international search report				
13 AUGUST 2004 (13.08.2004)		13 AUGUST 2004 (13.08.2004)		
Name and mailing address of the ISA/KR  Authorized officer				
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea		LEE, Choong Jac	AZA	
7-3	82-42-472-7140	Telephone No. 82-42-481-5536	Jed II Jigh	